

Oregon Department of Agriculture

**CONFINED ANIMAL FEEDING OPERATION
(CAFO) PROGRAM**

2018 ANNUAL REPORT



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INTRODUCTION

The mission of the Oregon Department of Agriculture (ODA) Natural Resources Program Area is to conserve and protect agricultural natural resources so that agriculture can be productive, economically viable and maintain compliance with environmental rules in Oregon.

As part of protecting Oregon's natural resources, the Oregon Legislature established a special regulatory program for Confined Animal Feeding Operations (CAFO) in 1989. The legislation required the Oregon Department of Environmental Quality (DEQ) to issue CAFO permits and directed ODA to inspect CAFO facilities. In 1993, the CAFO statutes were amended to direct the Environmental Quality Commission (EQC) and ODA to enter into a formal memorandum of understanding (MOU). The MOU authorizes ODA to perform the CAFO related functions of DEQ and the EQC. ODA has continued to operate the CAFO Program in concert with DEQ under this MOU.

The most current CAFO Program MOU was signed on December 23, 2015 and expires December 31, 2020.

This report has been prepared as required by the MOU. The 2018 CAFO Program Annual Report describes the CAFO Program's activities that have occurred over the last year. The report includes:

- Program statistics
- Permitted CAFO inspection types and results
- Non-permitted CAFO inspection types and results
- Enforcement actions
- Administrative functions

CAFO PROGRAM OVERVIEW

CAFO Geographic Boundaries

Permitted CAFO facilities are located across the entire State of Oregon. The CAFO Program has divided the state into six geographic regions. The CAFO areas have been created to capitalize on geographic similarities, CAFO facility similarities, and equitable distribution of work responsibilities.

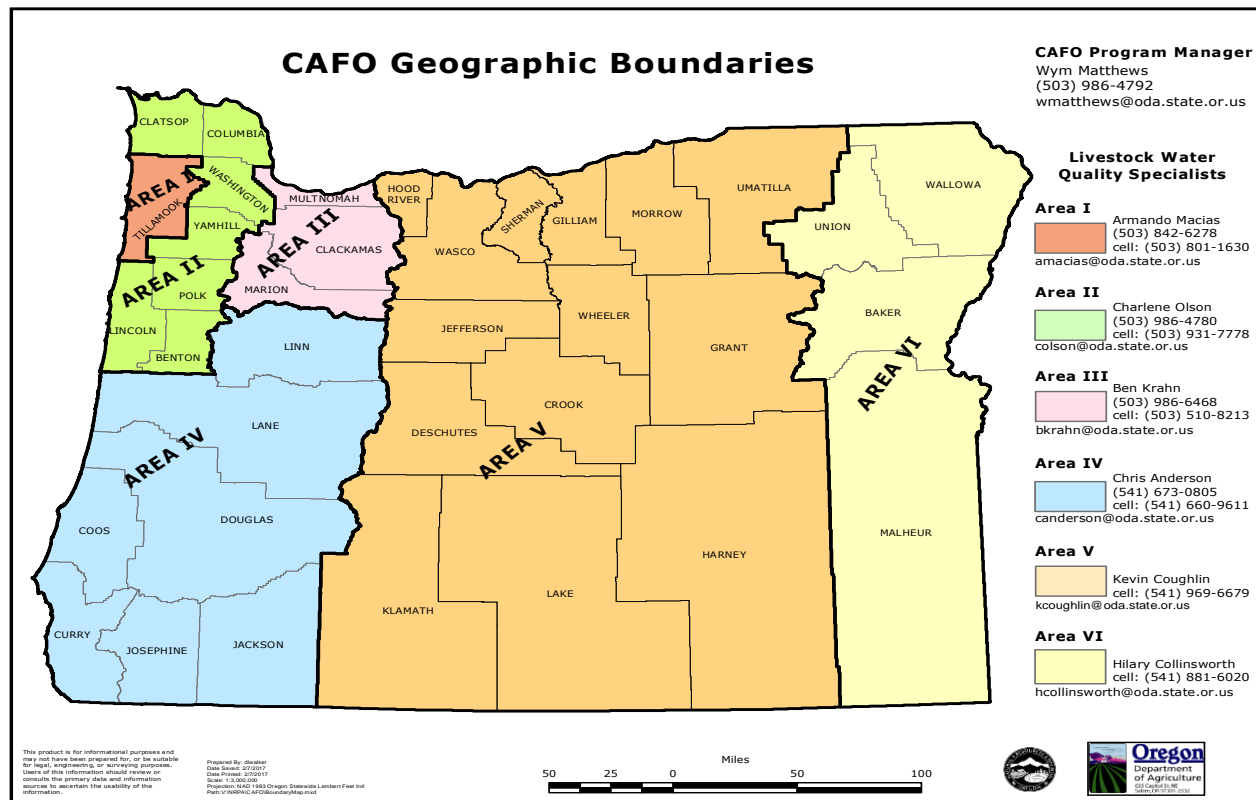
Below is a map detailing the six CAFO areas. The number of permitted CAFO facilities located in each area can be found in **Table 1**, Page 8.

CAFO Program Staff

The CAFO Program has a staff of 9.0 FTE. The program is led by the CAFO and Fertilizer Program Manager. The CAFO Program includes six regional Livestock Water Quality Specialists (LWQS). The LWQS is primarily responsible for assessing a facility's compliance with the CAFO Program. In addition to the LWQS, the CAFO Program has a Program Analyst and a Program Support staff.

A complete list of CAFO Program staff in 2018 is available below:

Figure 1: CAFO Geographic Boundaries Map



- **Wym Matthews**, CAFO and Fertilizer Program Manager (located at ODA, Salem)
- **Area I** - *Tillamook county*
 - **Armando Macias**, Livestock Water Quality Specialist
- **Area II** - *Benton, Clatsop, Columbia, Lincoln, Polk, Washington, and Yamhill counties*
 - **Charlene Olson**, Livestock Water Quality Specialist
- **Area III** - *Clackamas, Marion, and Multnomah counties*
 - **Ben Krahn**, Livestock Water Quality Specialist
- **Area IV** - *Coos, Curry, Douglas, Jackson, Josephine, Lane and Linn counties*
 - **Chris Anderson**, Area IV Livestock Water Quality Specialist
- **Area V** - *Crook, Deschutes, Gilliam, Grant, Harney, Hood River, Jefferson, Klamath, Lake, Morrow, Sherman, Umatilla, Wasco, and Wheeler counties*
 - **Kevin Coughlin**, Livestock Water Quality Specialist
- **Area VI** - *Baker, Malheur, Union, and Wallowa counties*
 - **Hilary Collinsworth**, Livestock Water Quality Specialist
- **Program Analyst:** Christy Caldwell (Located at ODA, Salem)
- **Program Support Staff:** Janet Short (Located at ODA, Salem)

2018 CAFO PROGRAM STATISTICS

General Statistics

Together, ODA and DEQ issued the Oregon CAFO National Pollutant Discharge Elimination System (NPDES) General Permit Number 01-2016. This permit was issued on March 31, 2016, was effective on April 20, 2016, and expires February 28, 2021. On October 1, 2015 the Oregon CAFO Water Pollution Control Facilities General Permit Number 01-2015 was issued and will expire on September 30, 2025. An update of the Permit renewal activities is on page 21. In addition to the General Permit, ODA and DEQ also administer Individual NPDES Permits.

At the end of 2018, the CAFO Program had a total of 519 permitted CAFO facilities. Of the permits issued:

- 380 CAFO operators are registered to the General NPDES Permit.
- 5 CAFO operators are registered to the Individual NPDES Permit.
- 134 CAFO operators are registered to the General WPCF Permit.
- Dairy cattle (milk production) are the species with the largest number of permits.
- Almost one-half of the facilities registered to the CAFO Permit meet the size designation of Medium.

Tables 1, 2 and 3 Summary of CAFO Permit type by area and designation, NAICS by area and CAFO designation by area.

Table 1: CAFO Permit Type by Area and Designation

	General Permit	Individual Permit	WPCF Permit	Total
Area 1	92	0	21	113
Large Concentrated	7	0	0	7
Large Confined	0	0	0	0
Medium Concentrated	55	0	0	55
Medium Confined	0	0	7	7
Small Concentrated	30	0	0	30
Small Confined	0	0	14	14
Area 2	61	0	9	70
Large Concentrated	17	0	0	17
Large Confined	0	0	1	1
Medium Concentrated	23	0	0	23
Medium Confined	0	0	1	1
Small Concentrated	21	0	0	21
Small Confined	0	0	7	7
Area 3	60	0	21	81
Large Concentrated	18	0	0	18
Large Confined	0	0	0	0
Medium Concentrated	23	0	0	23
Medium Confined	0	0	6	6
Small Concentrated	19	0	0	19
Small Confined	0	0	15	15
Area 4	41	0	52	93
Large Concentrated	11	0	0	11
Large Confined	0	0	5	5
Medium Concentrated	15	0	0	15
Medium Confined	0	0	14	14
Small Concentrated	15	0	0	15
Small Confined	0	0	33	33
Area 5	53	5	16	74
Large Concentrated	28	4	0	32
Large Confined	0	1	5	6
Medium Concentrated	17	0	0	17
Medium Confined	0	0	6	6
Small Concentrated	8	0	0	8
Small Confined	0	0	5	5
Area 6	73	0	15	88
Large Concentrated	23	0	0	23
Large Confined	0	0	3	3
Medium Concentrated	40	0	0	40
Medium Confined	0	0	9	9
Small Concentrated	10	0	0	10
Small Confined	0	0	3	3
Total	380	5	134	519

Table 2: NAICS (North American Industry Classification System) by Area

NAICS	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
All Other Animal Production, includes, dog kennels, alpaca, bison, worm production, and llama production	0	0	0	5	2	0	7
Auction Yard	0	0	1	1	1	1	4
Beef Cattle Ranching and Farming, Back Grounding Cattle, Veal Calf Production	0	6	4	12	2	6	30
Broiler Chicken Production	0	9	9	7	0	0	25
Cattle Feedlots, Fattening cattle	13	11	4	10	35	60	133
Chicken Egg Production	0	0	7	1	0	0	8
Dairy Cattle and Milk Production	100	35	42	40	25	16	258
Fur-Bearing Animal and Rabbit Production, includes mink, chinchilla, and fox	0	2	9	2	0	0	13
Goat Farming (e.g., meat, milk, mohair production)	0	2	1	3	3	2	11
Hog and Pig Farming	0	5	3	4	1	1	14
Horses and Other Equine Production, includes burro, donkey, mule, and pony	0	0	0	2	2	1	5
Nature Parks and Other Similar Institutions	0	0	0	1	0	0	1
Other Poultry Production	0	0	1	2	0	0	3
Sheep and Lambs	0	0		3	3	1	7
Total	113	70	81	93	74	88	519

Table 3: CAFO Designation by Area

CAFO Designation	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
Large Concentrated	7	17	18	11	32	23	108
Large Confined	0	1	0	5	6	3	15
Medium Concentrated	55	23	23	15	17	40	173
Medium Confined	7	1	6	14	6	9	43
Small Concentrated	30	21	19	15	8	10	103
Small Confined	14	7	15	33	5	3	77
Total	113	70	81	93	74	88	519

2018 CAFO INSPECTIONS

Inspection Type

The CAFO Program conducts multiple types of inspections on permitted and non-permitted facilities. The vast majority of the inspections conducted are routine inspections of permitted facilities. Routine inspections are used to assess the facility's compliance with permit conditions and state water quality laws.

In 2018, the sixteenth year of performance-based inspections, CAFO Program staff completed 741 inspections of all types. These inspections took place on both permitted and non-permitted operations.

31 complaints were received in 2018, 23 of these complaints resulted in complaint inspections (CI) with various outcomes. The complaints not resulting in an inspection were transferred to other programs or agencies or they were solved over the phone.

Below is a list, and descriptions, of the inspection types completed by the CAFO Program. **Table 4** also provides a summary of the number of inspections, by type, completed during 2018.

- **Administrative (ADMS)**: Business transaction completed in the office.
- **Close Out**: A final facility inspection conducted to assess if the permitted facility is appropriately prepared to prevent discharge during a permit transfer or permit cancellation.
- **Complaint (CI)**: Complaint investigations for water quality concerns on permitted and non-permitted animal agriculture facilities.
- **Drive By**: A visual inspection of a facility (permitted or non-permitted) from public access. Contact is not typically made with landowner of the facility. Typically used when the program receives a complaint. The drive-by allows for a quick assessment to determine next steps.
- **Educational Review (EDR)**: Requested by permitted CAFO operators, LWQS discusses performance standards and best management practices for enabling producers to attain permit compliance. LWQS may also evaluate new proposals from producers. An EDR is not a formal inspection and generally will not result in enforcement action.
- **Fall Storage Check (Fall S/C)**: Inspect liquid and solid storage to ensure sufficient winter storage.
- **Follow-up (FUP)**: Follow-up inspections are performed to determine whether a facility found to be in violation during a prior inspection is now in compliance with the terms of their permit.
- **Initial Visit** - This is the first on-site meeting with a potential CAFO operator.
- **Planning Assistance (PA)**: LWQS provided both planning and technical assistance designed to increase client awareness of pollution prevention practices and innovative technologies to enhance their environmental performance and maintain Permit compliance.
- **Routine (RI)**: An announced regular, routine inspection on a scheduled frequency determined by overall program resources and workload, number of facilities, and size of inspection staff.
- **Self-Reported Discharge (SR)**: CAFO operator reports a discharge to surface water.

Table 4: Total Number of Inspections by Type (Permitted and Non-Permitted Facilities)

Inspection Type	Number of Inspections	Percentage (%)
ADMS	19	2.56
CI	23	3.11
Close Out	10	1.35
Drive By	3	.41
EDR	9	1.21
FALL S/C	35	4.72
FUP	72	9.72
Initial Visit	1	.14
PA	31	4.18
RI	536	72.33
SR	2	.27
Total	741	100

Inspection Outcome

During the closing conference of each inspection, an inspection result is issued. An inspection report form is completed and records compliance, or noncompliance, with permit conditions or state water quality laws or rules. Inspection results may be delivered after ODA receives results of sampling, confirms data, and/or confers with management on matters identified during the inspection.

Below is a list and descriptions of the inspection outcomes used by the CAFO Program. **Table 5** also provides a summary of the inspection outcomes completed during CY 2018.

- **Close Out:** A final facility inspection conducted to assess if the permitted facility is appropriately prepared to prevent discharge during a permit transfer or permit cancellation
- **Follow Up (FUP):** Follow-up inspections are performed to determine whether a facility found to be in violation during a prior inspection is now in compliance with the terms of their permit.
- **Educational Review (EDR):** Educational review was completed.
- **Facility in Compliance (FIC):** The permittee operated in compliance with their permit, state water quality law or rule.
- **Final Inspection Result Pending (FIRP):** Additional time needed to assess the full extent of an inspection. This result is often issued if samples have been collected and results are needed before a conclusion can be issued.
- **Notice of Noncompliance/Plan of Correction (NON/POC):** See 2018 CAFO Enforcement Activities - Formal Enforcement Actions.
- **Notice of Civil Penalty Assessment (NCPA):** See 2018 CAFO Enforcement Activities - Formal Enforcement Actions.
- **On-Schedule (O/S):** The owner/operator is completing the step-by-step required actions (RAs) of their compliance schedule and is currently on schedule with all RAs.
- **On-Schedule (O/S) A:** On schedule Written
- **On-Schedule (O/S) B:** On Schedule Verbal
- **Planning Assistance (PA):** LWQS provided both planning and technical assistance to prepare and submit required AWMP(s), reports, or applications.
- **Termination:** A notice of intent to terminate an operation(s) CAFO permit.
- **Water Quality Advisory (WQA):** The permittee was in compliance during the inspection event, however, potential problems were noted, and voluntary efforts were encouraged to prevent permit violations.

Table 5: Inspection Outcome (Permitted and Non-Permitted Facilities)¹

Inspection Outcome	Number of Inspections	Percentage (%)
Close Out	1	.14
Demand for Payment of Stipulated Civil Penalty	1	.14
EDR	12	1.62
FIC	545	73.55
FIRP	57	7.68
N/A	2	.27
NCP	4	.54
NON/POC	22	2.96
NON/POC to be issued	1	.14
O/S	35	4.72
O/S A	1	.14
PA	34	4.58
Termination	3	.41
WQA	23	3.11
Total	741	100

Permitted CAFOs

A total of 741 inspections were completed on permitted CAFOs in 2018. Of all of the inspection activities completed, routine compliance inspections are the greatest number of inspections completed on permitted CAFO facilities, followed by follow-up inspections.

Of the inspections completed during the 2018, 93% of the inspection outcomes were facilities in compliance with permit conditions.

Tables 6 and 7 summarize the number of inspections completed, and the associated outcome, on permitted CAFO facilities.

Table 6: Inspection Type by Area for Permitted CAFOs

Inspection Type	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
ADMS	4	5	0	1	8	0	18
CI	5	5	2	5	0	2	19
Close Out	4	2	1	3	0	0	10
Drive By	0	0	0	0	1	0	1
EDR	0	1	0	1	2	0	4
FALL S/C	35	0	0	0	0	0	35
FUP	2	6	10	10	40	1	69
PA	0	3	2	1	0	14	20
RI	123	70	72	102	68	95	530
R	1	0	1	0	0	0	2
Total	174	92	88	123	119	112	708

¹ Also includes facilities in the process of applying for permit coverage.

Table 7: Inspection Outcome by Area of Permitted CAFOs

Inspection Outcome	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
C/O	0	0	0	1	0	0	1
Demand for Payment of Stipulated Judgement	1	0	0	0	0	0	1
EDR	0	2	0	3	2	0	7
FIC	139	73	65	97	67	97	538
FIRP	5	4	5	2	39	1	56
N/A	1	0	0	0	0	0	1
NCP	2	0	0	0	2	0	4
NON/POC	2	2	2	7	7	0	20
NON/POC to be issued	0	1	0	0	0	0	1
O/S	13	2	12	4	2	0	33
O/S A	0	0	0	1	0	0	1
PA	0	3	1	4	0	13	21
Termination	1	2	0	0	0	0	3
WQA	10	3	3	4	0	1	21
Total	174	92	88	123	119	112	708

Dam Safety Inspections

In 2011, the Oregon Department of Agriculture entered into a Memorandum of Understanding (MOU) with the Oregon Water Resources Department. This MOU allows the CAFO Program to conduct dam safety inspections on statutory dams (as defined by ORS 540.340 through 540.400) during site inspections.

Statutory dams on CAFO operations are earthen manure lagoons that have an earthen embankment of 10 feet or higher and have a storage capacity of equal, or greater than, 9.2 acre-feet.

Of the 519 permitted CAFO facilities, there are 26 earthen manure lagoons that meet the definition of a statutory dam. Each of these manure lagoons is classified as a 'low hazard' by the WRD. According to the MOU with the Oregon Water Resource Department, inspections for low hazard dams need to be conducted at least once every six years.

In addition to conducting dam safety inspections on the xx statutory dams, the CAFO Program has also adopted the dam safety inspection protocol for all other earthen manure storage lagoons on permitted CAFO operations.

See Table 8 for a summary of the dam safety inspection activities for both *statutory dams* and *non-statutory dams*.

Table 8: Summary of Dam Safety Inspections completed on Permitted CAFOs²

Number of CAFOs that received Dam Safety Inspection	Statutory Dams Inspections	Non-Statutory Dams Inspections
104	19	85

² Some of the CAFOs have more than one lagoon.

Water Sampling

Collecting water samples is another tool that is utilized by the CAFO Program in order to assess the operator's compliance with the CAFO permit. Water samples are typically collected when CAFO Program staff visually observe an active discharge or suspects a recent discharge.

In 2018, there were a total of 16 sampling events with six of the sampling events taking place during complaint inspections, five events during follow-up inspections, two during routine inspections and three during administrative events. A total of 68 samples were collected in the sampling events.

of the water sampling events were conducted on permitted CAFO facilities. **See Table 12** on pg 15 for Non-Permitted.

See Table 9 for a summary of the water sampling events that occurred on permitted facilities by area.

Table 9: Number of Water Sampling Events on Permitted CAFOs by Inspection Type and Area

Inspection Type	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
ADMS	0	0	0	0	3	0	3
CI	2	3	1	0	0	0	6
FUP	1	1	1	0	2	0	5
RI	1	1	0	0	0	0	2
Total	4	5	2	0	5	0	16

Non-Permitted CAFOs

Although the majority of the inspection activity completed by the CAFO Program takes place on permitted facilities, the CAFO Program interacts with non-permitted operations as well.

During the 2018, the CAFO Program conducted 33 non-permitted CAFO inspections. Of which, half were a request from the operator to conduct Planning Assistance or an Educational Review.

See Tables 10 and 11 for a summary of inspection types, and associated outcomes, completed on non-permitted CAFO facilities.

Table 10: Inspection Type by Area for Non-Permitted CAFOs

Inspection Type	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
ADMN	1	0	0	0	0	0	1
CI	0	1	1	2	0	0	4
Drive By	1	0	0	1	0	0	2
EDR	0	1	1	1	2	0	5
FUP	0	1	2	0	0	0	3
Initial Visit	0	0	0	0	0	1	1
PA	0	0	3	1	1	6	11
RI	1	2	1	1	0	1	6
Total	3	5	8	6	3	8	33

Table 11: Inspection Outcome by Area of Non-Permitted CAFOs

Inspection Outcome	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
EDR	0	1	1	1	2	0	5
FIC	1	3	1	1	0	1	7
FIRP	0	0	0	1	0	0	1
N/A	0	0	1	0	0	0	1
NON/POC	2	0	0	0	0	0	2
O/S	0	1	0	1	0	0	2
PA	0	0	3	2	1	7	13
WQA	0	0	2	0	0	0	2
Total	3	5	8	6	3	8	33

Water Sampling – Non-Permitted CAFOs

Similar to permitted facilities, water quality samples are collected on non-permitted CAFO facilities to assess the facility's compliance with state water quality laws.

In 2018, there were 0 water sampling events conducted on a non-permitted CAFO facility.

Table 12: Number of Water Sampling Events on Non-Permitted CAFOs by Inspection Type and Area

Inspection Type	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

2018 CAFO ENFORCEMENT ACTIVITIES

Formal Enforcement Actions

If a discharge occurs or violation has been identified and the CAFO operator fails to complete corrective action(s) as required, the CAFO Program can take enforcement actions. Formal enforcement actions include, but are not limited to, Notice of Noncompliance, Notice of Civil Penalty Assessment (NCPA), and permit modification.

Listed below are the types of enforcement actions the CAFO Program used by the CAFO Program.

- **Consent Order (C/O)**: a department order signed by ODA Director and CAFO Permit Operator agreeing to set terms in order to AREA
- **Final Order Incorporating Settlement Agreement (FO)**: A department order issued after settlement conference between CAFO operator and department representative. The FO reflects modifications to the original order issued by the department.
- **Notice of Noncompliance/Plan of Correction (NON/POC)**: A negotiated department order that contains milestones describing required actions (RAs) that must be completed by the owner or operator to correct permit violations.
- **Notice of Civil Penalty Assessment (NCPA)**: A department order assessed against an owner or operator of a CAFO for failure to comply with a provision of Oregon Revised Statutes (ORS) Chapter 468 or 468B or any rule adopted under a permit relating to the control and prevention of water pollution from a CAFO.
- **Permit Registration Modification**: A department order that is used to change the permit conditions for a permitted operator. The modification of the permit is based on the permittee's program compliance history.

Notice of Civil Penalties Assessment (NCPA)

During 2018, 3 NCPAs were issued for a total of \$207,460. All 3 NCPAs were issued for discharge or other permit non-compliance. **Table 13** summarizes the NCPAs issued in 2018.

Table 13: NCPAs issued for discharge or other permit non-compliance

County	Amount	CAFO Permit Violation
Morrow	\$10,640	S2.E Waste Storage Facilities S2.H Proper Operation and Maintenance S4.D Reporting Requirements-24 hr reporting for Discharge
Tillamook	\$9,500.00	S2.A Prohibitions and Discharge Limitations
Morrow	\$187,320	S2.A Prohibitions and Discharge Limitations S2.E Waste Storage Facilities S2.H Proper Operation and Maintenance S3.A Animal Waste Management plan Implementation and Compliance S3.D Animal Waste Management Plan Updates and Changes S4.A Monitoring Requirements S4.B Facility Inspection Requirements S4.D Reporting Requirements
Sub Total	\$207,460	
Total	\$207,460	

Other Enforcement Actions

Following the issuance of a NCPA, the CAFO operator has the opportunity to file an appeal and to request an informal meeting to discuss the enforcement action or complete a Contested Case Hearing. In 2018, the CAFO Program received two appeals and conducted two informal meeting and one Contested Court Hearing. A Final Order Incorporating Settlement Agreement, Final Order or an appeal are the possible outcomes of this process.

S4.E Order on Permit Modification.

The Permit directs ODA to consider a Permit modification when a registrant has more than 2 discharges in any 24-month period. ODA also may issue a Permit modification to registrants that are experiencing difficulty maintaining Permit compliance

Legal Actions

See Table 15, 16 and 17 for a summary of enforcement actions other than NCPAs.

Table 15: Other Enforcement Actions

Notice of Permit Modification	
County	Total
Tillamook	1

Table 16: Appeals

Appeals	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
Filed	1	0	0	0	3	0	4
Informal Meetings	1	0	0	0	1	0	2
Demand for Payment of Stipulated Civil Penalty	1	0	0	0	0	0	1
Complaint Seeking Restraining Order	0	0	0	0	1	0	1
Stipulated General Judgement	0	0	0	0	1	0	1
Order on Stipulation for Temporary Restraining Order and Preliminary Injunction	0	0	0	0	1	0	1
Notice of Entry of Judgement	0	0	0	0	1	0	1
Petition for Reconsideration	0	0	0	0	1	0	1
Order on Petition for Reconsideration	0	0	0	0	1	0	1
Notice of Revocation of Individual Permit	0	0	0	0	1	0	1
Notice of in Person Hearing	0	0	0	0	1	0	1
Total	3	0	0	0	12		15

Table 17: Court Proceedings Program Wide		Outcome
Circuit Court Cases	2	Stipulated Final Order / Pending
Federal District Court	0	0

2018 ADMINISTRATIVE ACTIVITIES

In addition to conducting field inspections, the CAFO Program staff performs several administrative functions.

The largest administrative function performed by the CAFO Program includes the review and approval of Animal Waste Management Plans (AWMP). The AWMP is a document unique to the CAFO facility that describes the CAFO's manure production, storage, transfer and application activities. Every permitted CAFO operator must implement an ODA approved AWMP. The approved AWMP is incorporated into the CAFO permit by reference (S3.A.).

Every AWMP submitted to the CAFO Program is reviewed to ensure that it meets the required AWMP Elements (S3.C.) of the CAFO permit. In certain circumstances, the AWMP may require public notice (S3.B.) therefore; the AWMP approval process can be quite lengthy.

Once the AWMP has been approved, LWQS review the AWMP in advance of inspections to ensure that the AWMP still reflects the CAFO's operation and maintenance. If there is a discrepancy between the operation and management of the CAFO and the AWMP, the LWQS will work with operators to ensure that AWMP reflects current activities on the CAFO operation while being in compliance in accordance with the required AWMP elements.

The second most common administrative function performed by LWQS is pertaining to construction of manure storage facilities. New construction or modification of existing manure storage facilities must be approved in advance (S2.E.2.).

Table 18 summarizes the AWMP and construction activities completed during 2018.

Table 18: AWMP Type and Construction status by Area

	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
AMENDMENT/REVISION	0	1	1	1	0	0	3
Approved	0	0	1	1	0	0	2
Temporary Modification	0	1	0	0	0	0	1
ANIMAL INCREASE	2	1	0	0	2	1	6
Approved	1	1	0	0	1	1	4
Conditionally Approved	0	0	0	0	1	0	1
Under Review	1	0	0	0	0	0	1
ANIMAL/LAND INCREASE	4	0	0	0	0	2	6
Approved	0	0	0	0	0	1	1
Approvable	1	0	0	0	0	0	1
Under Review	2	0	0	0	0	1	3
Superseded	1	0	0	0	0	0	1
AWMP	4	4	1	10	6	1	26

Approved	2	1	1	1	3	1	9
Conditionally Approved	0	0	0	4	1	0	6
Not Approvable	0	0	0	1	0	0	1
Pending/Under Review	1	2	0	1	1	0	5
Superseded	0	1	0	2	1	0	4
Transferred	1	0	0	1	0	0	2
CONSTRUCTION	1	2	1	0	8	1	13
Approved	1	0	1	0	0	1	3
As Built	0	0	0	0	1	0	1
For Use	0	1	0	0	1	0	2
Conditionally Approved	0	1	0	0	6	0	7
Total	11	8	3	11	16	5	54

Cancellation of CAFO Permits

In 2018, the program cancelled 15 registrations to CAFO permits. The majority of the permits cancelled were for dairy CAFOs.

The primary reason CAFO permits were cancelled was because the facility was sold or leased to a new CAFO operator, and subsequently the permit must be transferred to a new owner or operator and the previous owner or operator permit registration is cancelled. The second most common reason a CAFO permit was cancelled was because the facility no longer met the definition for requiring a CAFO permit. In this case, the operator sold the animals and/or the facility and the operator was no longer going to use or maintain the waste systems on the farm.

Table 19: Number of CAFO Permits cancelled by NAICS Code and Area

NAICS Code	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
All Other Animal Production	0	0	0	1	0	0	1
Auction Yard	0	0	0	1	0	0	1
Broiler chicken production	0	1	1	0	0	0	2
Cattle Feedlots, Fattening Cattle	1	0	0	0	0	0	1
Dairy Cattle and Milk Production	3	1	0	0	1	0	5
Fur-Bearing Animal and Rabbit Production	0	1	0	0	0	0	1
Goat Farming	0	0	0	1	0	0	1
Hog and Pig Farming	0	0	0	1	0	0	1
Horses and other Equine Production	0	0	1	0	0	0	1
Sheep and Lambs	0	0	0	1	0	0	1
Total	4	3	2	5	1	0	15

CAFO Permits Issued

A total of 25 CAFO permits were issued in 2018. The primary reason for issuance of a new CAFO permit was a transfer of permit from a previously permitted operator. The transfer activity is highest in Area 1 and new permits in Area 4.

Table 20: Number of CAFO Permits issued by NAICS Code and Area for 2018 CY

NAICS Code	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
All Other Animals	0	0	0	3	2	0	5
Beef Cattle Ranching and Farming	0	0	0	0	0	1	1
Cattle Feedlots, Fattening cattle	1	0	0	1	1	5	8
Dairy Cattle and Milk Production	1	1	0	1	1	0	4
Fur-Bearing Animals	0	1	0	0	0	0	1
Goat Farming	0	0	0	0	1	0	1
Hog and Pig farming	0	0	0	1	0	0	1
Horses and Other Equine Production	0	0	0	0	2	0	2
Other Poultry Production	0	0	1	0	0	0	1
Sheep and Lambs	0	0	0	1	0	0	1
Total	2	2	1	7	7	6	25

Pending Permit Applications

A total of 12 applications to register (ATR) were received in 2018. 8 applications received in 2018 remain pending and 5 pending applications were submitted previous years.

Table 21: Pending Permit Applications

NPDES Permit	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
Small Concentrated	0	0	0	0	1	0	1
Medium Concentrated	0	0	0	0	0	1	1
Large Concentrated	0	0	0	0	0	0	0
Total	0	0	0	0	1	1	2
WPCF Permit							
Small Confined	0	2	3	2	1	0	8
Medium Confined	0	0	0	0	0	3	3
Large Confined	0	0	0	0	0	0	0
Total	0	2	3	2	1	3	11

Public Notice and Participation (S1.H.)³

Prior to approving new permit coverage, renewing permit coverage or approving proposed substantial changes to an AWMP, the CAFO Program will provide public notice and participation.

In 2018, the CAFO Program completed one noticing activities. Of the different public notice and participation opportunities, the CAFO Program received two requests for additional information and comments from one of the public noticing opportunities. The department reviewed and responded to these comments.

Table 22 summarizes the public notice and participation opportunities by designation and the noticing activities are below.

³ For the full public notice and participation schedule, see Table 2: CAFO Public Notice Requirements, page 8 of the CAFO NPDES General Permit #01-2016.

<http://www.oregon.gov/ODA/shared/Documents/Publications/NaturalResources/NPDESGeneralPermit.pdf>

Table 22: Public Noticing Activity by Designation and Area.

	Area 1	Area 3	Area 5	Area 6	Total
Registration Renewal					
Large Concentrated	0	0	19	0	19
Medium Concentrated	0	0	16	0	16
Small Concentrated	0	0	8	0	8
Substantial Change to AWMP/Adding land and animal increase					
Large Concentrated	2	0	0	0	2
Substantial Change to AWMP/Animal Increase					
Large Concentrated	0	0	1	1	2
Substantial Change to AWMP					
Large Concentrated	0	0	5	0	5
Change to Permit Type					
Medium Concentrated	0	1	0	0	1
New Registration					
Large Concentrated	0	0	1	0	1
Medium Concentrated	0	0	1	0	1
Total	2	1	51	1	55

Annual Report (S4.D.2.)

Each year the CAFO operator must submit an annual report to the CAFO Program by March 15th of each year. The Annual Report documents the number of animals, amount of manure, litter and/or process waste water generated and exported by the facility, land application information and information about the operation's AWMP.

Once the reports have been received, they are then reviewed by the regional LWQS for completeness. If the Annual Report is incomplete, the LWQS will work with the operator to resolve the issues.

In 2018, the CAFO Program collected and processed a total of 392, Annual Reports for 2017. Below is a table that summarizes the 2017 Annual Reports received by area.

Table 23: 2018 Annual Reports Received by Area

	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Total
Total	92	62	65	44	56	73	392

Financial Agreements Administered

When the CAFO Program issues a Notice of Civil Penalty Assessment (NCPA), the money received from these activities are placed into an account that can only be used for educational projects and efforts that will benefit the CAFO operators. Funds are awarded through a financial agreement process.

In 2018, the CAFO Program awarded two financial agreements for a total of \$22,235. The financial agreements were for the following projects:

Nutrient Management Planning Tool (NMPT), H&R Engineering LLC

Develop HTML computer program for a producer based nutrient management planning tool that is accessible on the internet using a login and password. To be fully executed by September 2018.

Projected Total\$20,475

2019 CAFO Record Keeping Calendars, Oregon Dairy Farmers Association

A record keeping tool developed and printed for permitted CAFO operators to maintain the required CAFO records.

Final amount billed for project\$1,760

Public Records Requests

Most information associated with the CAFO NPDES CAFO permit is subject to Oregon’s Public Records rules (citation) and NPDES Program and Permit (S1.G) and Clean Water Act requirements and is publicly available. The CAFO Program receives numerous requests for program files and information. Requests range from a single document to complete registrant files. In 2018, the CAFO Program responded to **80** different public records requests.

A public records request is not required when program or permit records are requested during a public notice and participation opportunity.

2018 General CAFO Permit Renewal Activities

On August 8, 2018, a Public Notice was issued for Proposed Renewal of Permit Coverage in Area 5 and Proposed Substantial changes in Area’s 1, 3, 5 and 6. The comment period ended on September 12, 2018. As of December 31, 2018, 380 are registered to the CAFO NPDES General Permit #01-2016.

CAFO Advisory Committee

Each year the CAFO Program holds three regularly scheduled CAFO Advisory Committee (CAC) meetings. The CAC was created to provide feedback to the department about the CAFO Program. The membership of the committee is comprised of permitted CAFO operators, technical advisors, stakeholder representatives, and the public.

In addition to holding regularly scheduled CAC meetings, the CAFO program has held additional meetings with the subcommittee that was formed to provide feedback to the agency concerning CAFO Fee Increases. There is a Proposed Agency Legislative Concept for CAFO Fee Increases for the 2019 Legislative session.

New CAFO Program Activities

The agricultural community continues to embrace and incorporate new technology into their operations. Technologies that impact nutrient management, include, but are not limited to, low-pressure manure application systems, manure nutrient concentration systems, manure digesters with off-farm feed stocks, and robotic milking equipment. When these technologies are incorporated, it requires the CAFO permit registrant’s AWMP to be revised to reflect these changes and additions. Staff must review these AWMP updates to ensure that the technology is accurately represented and integrated into waste system calculations. Substantial changes to AWMPs, as defined in the permits have public notice and participation requirements.